RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/590,583

DATE: 04/17/2001
TIME: 11:16:27

Input Set : A:\419c9.app.txt
Output Set: N:\CRF3\04172001\I590583.raw

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 3 <110> APPLICANT: Frudakis, Tony N.
 4        Reed, Steven G.
 5        Smith, John M.
 6        Misher, Linda E.
 7        Dillon, Davin C.
 8        Retter, Marc W.
 9        Wang, Aijun
10        Skeiky, Yasir A.W.
12 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
13        THERAPY AND DIAGNOSIS OF BREAST CANCER
16 <130> FILE REFERENCE: 210121.419C9
18 <140> CURRENT APPLICATION NUMBER: US/09/590,583
19 <141> CURRENT FILING DATE: 2000-06-08
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34  ttgtctaagg cgattgaagt cgtccagggg catgatgagt caccaggagt gttttttagag    180
35  cacctccagg aggcttatcg gatttacacc cctttgacc  tggcagcccc cgaaaatagc     240
36  catgctctta atttggcatt tgtggctcag gcagcccag atagtaaaag gaaactccaa      300
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38  ttt                                                                   363
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49                  20                  25                  30
50  Gly Ala Ala Gln Lys Pro Ile Asn Leu Ser Lys Ala Ile Glu Val Val
51              35                  40                  45
52  Gln Gly His Asp Glu Ser Pro Gly Val Phe Leu Glu His Leu Gln Glu
53          50                  55                  60
54  Ala Tyr Arg Ile Tyr Thr Pro Phe Asp Leu Ala Ala Pro Glu Asn Ser
55  65                  70                  75                  80
56  His Ala Leu Asn Leu Ala Phe Val Ala Gln Ala Ala Pro Asp Ser Lys
57                  85                  90                  95
58  Arg Lys Leu Gln Lys Leu Glu Gly Phe Cys Trp Asn Glu Tyr Gln Ser
59                  100                 105                 110
60  Ala Phe Arg Asp Ser Leu Lys Gly Phe
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        65 <212> TYPE: DNA
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        76  tcttcaaagc ctaacagatc aagcagctct ccggtgcaca acctgcgccc aggtaaatgc     180
        77  caaaaaaggt cctaaaccca gcccaggcca ccgtctccaa gaaaactcac caggagaaaa     240
        78  gtgggaaatt gactttacag aagtaaaacc acaccgggct gggtacaaat accttctagt     300
        79  actggtagac accttctctg gatggactga agcatttgct accaaaaacg aaactgtcaa     360
        80  tatggtagtt aagtttttac tcaatgaaat catccctcga cgtgggctgc ctgttgccat     420
        81  agggtctgat aatggaacgg ccttcgcctt gtctatagtt taatcagtca gtaaggcgtt     480
        82  aaacattcaa tggaagctcc attgtgccta tcgacccaga gctctgggca agtagaacgc     540
        83  atgaactgca ccctaaaaaa acactcttac aaaattaatc ttaaaaaccg gtgttaattg     600
        84  tgttagtctc cttcccttag ccctacttag agttaaggtg caccccttac tgggctgggt     660
W--> 85  tctttacctt ttgaaatcat ntttnggaag gggctgccta tctttnctta actaaaaaan     720
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W--> 89  aaacnccccc ctccaanccc cggccnaagn ggaaggttcc cttgaatccc nccccncna      960
W--> 90  anggcccgga accnttaaan tngttccngg gggtnnggcc taaaagnccn atttggtaaa    1020
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       107  atctgtagac ctcaggctcc aaccatacccc caagagttgt ctggtttgt ttaaattact      240
       108  gccaggtttc agctgcagat atccctggaa ggaatattcc agattccctg agtagtttcc     300
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       110  gattttggat ttttaacttt aatgcttgtg aaacgctata aaaaaaattt tctacccta      420
       111  gctttaaagt actgttagtg agaaattaaa attccttcag gaggattaaa ctgccatttc     480
       112  agttacccta attccaaatg ttttggtggt tagaatcttc tttaatgttc ttgaagaagt     540
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W--> 114  aaaacggant cttgctccgt tgtccangct gggaatttn ttttggccaa tctccgctnc      660
W--> 115  cttgcaanaa tnctgcntcc caaaattacc nccttttttcc cacctccacc ccnnggaatt     720
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              RAW SEQUENCE LISTING           DATE: 04/17/2001
              PATENT APPLICATION:  US/09/590,583    TIME: 11:16:27

              Input Set : A:\419c9.app.txt
              Output Set: N:\CRF3\04172001\I590583.raw

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W--> 118   cctcnaatnt tnggnntang gcttaccccc cccngnngtt tttcctccat tnaaattttc    900
W--> 119   tntggantct tgaatnncgg gtttttccctt ttaaaccnat tttttttttn nnnccccccan   960
W--> 120   ttttncctcc cccntntnta anggggggttt cccaanccgg gtccncccccc angtcccccaa  1020
W--> 121   tttttctccc cccccctctt ttttctttnc cccaaaantc ctatcttttc ctnnaaatat    1080
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     137   aggtaacaca catactatct cccaaatacc tacccacaag ctcaacaatt ttaaactgtt    180
     138   aggatcactg gctctaatca ccatgacatg aggtcaccac caaaccatca agcgctaaac    240
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W--> 141   naacccacca tccccacanc tcctctgttc ntgggccctg catcttgtgg cctcntntnc     420
W--> 142   tttnggggan acntgggggaa ggtaccccat ttcnttgacc ccncnanaaa accccngtgg     480
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W--> 145   ttcttggtgt tncttttcaa aggtnacctt ncctgttcan ncccacnaa aatttnttcc      660
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W--> 150   aaantcctta ccccnaaaaa ggttgcttag ccccncngtcc ccactcccccc nggaaaaatn  960
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W--> 178  ccnntntntn tnnncncnnt nctnnncnnc cntcntttcn tctctnctnn nnntnncctc  900
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     197  ccagggacac aatacatcgc ggaaggccgc agggacctct gtctaggaaa gccaggtatt  360
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     202  tctacttact gagaatagga gaaaacatcc ttagggctgg aggtgagaca ccctggcggc  660
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            Input Set : A:\419c9.app.txt
            Output Set: N:\CRF3\04172001\I590583.raw

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       230  gggatattaa cgttaacact gacagcaggt acgcctttgc tactgtgcat gtacgtggag    480
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W-->   236  gctgcaggaa ttcaattcan ccttatcnat acccccaacn nggnggggggg ggccngtncc    840
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W-->   239  aaaagcccnc antcccntcc naaatttgca cngaaaggna aggaatttaa cctttatttt   1020
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       257  agactccatc agtgaggtca aagcctgggg cttttcagag aagggaggat tatgggtttt    180
       258  ccaattatac aagtcagaag tagaaagaag ggacataaac caggaagggg gtggagcact    240
       259  catcacccag agggacttgt gcctctctca gtggtagtag aggggctact tcctcccacc    300
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       262  cctcttcttc agagagaagc agtacagggc gagctgaacc ggctgaaggt cgaggcgaaa    480
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W-->   266  ccttcaaggg gccactccac tccaactttg gccattctac tttgcnaaat ttccaaaact    720
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                    VERIFICATION SUMMARY              DATE: 04/17/2001
                    PATENT APPLICATION:  US/09/590,583  TIME: 11:16:28

                    Input Set : A:\419c9.app.txt
                    Output Set: N:\CRF3\04172001\I590583.raw

L:18  M:270 C: Current Application Number differs, Wrong Format
L:85  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
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L:172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
```

VERIFICATION SUMMARY   DATE: 04/17/2001
PATENT APPLICATION: US/09/590,583   TIME: 11:16:28

Input Set : **A:\419c9.app.txt**
Output Set: **N:\CRF3\04172001\I590583.raw**

L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:5725 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:322